

# DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

## DIELECTRIC RESONATOR FILTER

**the specification of which (check one)**

[ ] is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application or to the patentability of the invention claimed therein in accordance with Title 37, Code of Federal Regulations, section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, section 119(a) - (d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

**PRIOR FOREIGN APPLICATION(S)**

			<u>Priority Claim</u>	
<u>2000-150964</u> (Number)	<u>Japan</u> (Country)	<u>23/05/2000</u> (Day/Month/Year filed)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Day/Month/Year filed)	Yes	No
(Number)	(Country)	(Day/Month/Year filed)	Yes	No

# DECLARATION AND POWER OF ATTORNEY

I hereby claim the benefit under Title 35, United States Code, '119(e) of any United States Provisional application(s) listed below:

## PRIOR PROVISIONAL APPLICATIONS

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(application serial number)

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(Month / Day / Year filed)

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(application serial number)

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(Month / Day / Year filed)

I hereby claim the benefit under Title 35, United States Code, section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

**Application Serial No.****Filing Date****Status - patented,  
pending, abandoned**

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint Gregory A. Stobbs, Reg. No. 28,764, and each principal, attorney of counsel, associate and employee of Harness, Dickey & Pierce, P.L.C., who is a registered Patent Attorney, my attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. I request the Patent and Trademark Office to direct all correspondence and telephone calls relative to this application to Harness, Dickey & Pierce, P.L.C., P. O. Box 828, Bloomfield Hills, Michigan 48303 (248) 641-1600.

Full name of sole or first inventor: Yasunao OKAZAKI

Inventor's signature: Yasunao Okazaki

Date: August 20, 2001

Residence: Shiga, Japan

Citizenship: Japan

Post Office Address: 2-7-28, Shibukawa, Kusatsu-shi, Shiga 525-0026, Japan

DECLARATION AND POWER OF ATTORNEY

Full name of second joint inventor, if any: Michio OKAJIMA

Second Inventor's signature: Michio Okajima

Date: August 20, 2001

Residence: Osaka, Japan

Citizenship: Japan

Post Office Address: 19-3, Toyono-cho, Neyagawa-shi, Osaka 572-0831, Japan

Full name of third joint inventor, if any: Akira ENOKIHARA

Third Inventor's signature: Akira Enokihara

Date: August 20, 2001

Residence: Nara, Japan

Citizenship: Japan

Post Office Address: 1-4-3-506, Saidaiji-kunimi-cho, Nara-shi, Nara 631-0823, Japan

Full name of fourth joint inventor, if any: Toshiaki NAKAMURA

Fourth Inventor's signature: Toshiaki Nakamura

Date: August 20, 2001

Residence: Nara, Japan

Citizenship: Japan

Post Office Address: 6-50, Saidaiji-shinike-cho, Nara-shi, Nara 631-0834, Japan

Full name of fifth joint inventor, if any: Minoru TACHIBANA

Fifth Inventor's signature: Minoru Tachibana

Date: August 20, 2001

Residence: Osaka, Japan

Citizenship: Japan

Post Office Address: 1-21-16, Nagao-motomachi, Hirakata-shi, Osaka 573-0163, Japan

DECLARATION AND POWER OF ATTORNEY

Full name of sixth joint inventor, if any: Kunihiko MINAMI

Fifth Inventor's signature: Kunihiko Minami

Date: August 20, 2001

Residence: Osaka, Japan

Citizenship: Japan

Post Office Address: 1-8-29, Kita, Tennoji-cho, Abeno-ku, Osaka-shi, Osaka 545-0001, Japan

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

Application No.: Not yet assigned  
Filing Date: Herewith  
Applicant: Yasunao Okazaki et al.  
Group Art Unit: Not yet assigned  
Examiner: Not yet assigned  
Title: Dielectric Resonator Filter  
Attorney Docket: 5077-00045/DVB

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Director of The United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**REFERENCE TO RECORDED ASSIGNMENT  
OF ORIGINAL APPLICATION**

This application is a continuation application of U.S. Application No. 09/864,020. A prior assignment of the original application is recorded in the U.S. Patent and Trademark Office at Reel 012123, Frame 0151 and a copy of the assignment is provided herewith. This assignment recorded against the original application gives the assignee rights to the subject matter common to both applications.

Respectfully submitted,

Dated: July 28, 2003

By: Greg Stobbs  
Gregory A. Stobbs  
Reg. No. 28,764

HARNESS, DICKEY & PIERCE, P.L.C.  
P.O. Box 828  
Bloomfield Hills, Michigan 48303  
(248) 641-1600

077-000045

GAS



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
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Washington, D.C. 20231

NOVEMBER 02, 2001

PTAS

HARNESS, DICKEY & PIERCE, P.L.C.  
GREGORY A. STOBBS  
P.O. BOX 828  
BLOOMFIELD HILLS, MI 48303



\*101833671A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/30/2001

REEL/FRAME: 012123/0151  
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
OKAZAKI, YASUNAO

DOC DATE: 08/20/2001

ASSIGNOR:  
OKAJIMA, MICHIO

DOC DATE: 08/20/2001

ASSIGNOR:  
ENOKIHARA, AKIRA

DOC DATE: 08/20/2001

ASSIGNOR:  
NAKAMURA, TOSHIAKI

DOC DATE: 08/20/2001

ASSIGNOR:  
TACHIBANA, MINORU

DOC DATE: 08/20/2001

ASSIGNOR:  
MINAMI, KUNIHIKO

DOC DATE: 08/20/2001

ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL  
CO., LTD.  
1006 KADOMA, KADOMA CITY  
OSAKA, JAPAN 571-8501

SERIAL NUMBER: 09864020  
PATENT NUMBER:

FILING DATE: 05/23/2001  
ISSUE DATE:

JEEVON JONES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

AUG 30 2001

09-05-2001

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT



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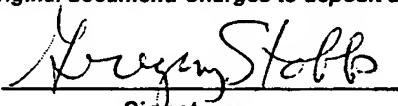
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Name (line 1) <input type="text"/> Yasunao Okazaki	Execution Date Month 08 Day 20 Year 2001	
Name (line 2) <input type="text"/>		
<b>Second Party</b>		
Name (line 1) <input type="text"/> Michio Okajima	Execution Date Month 08 Day 20 Year 2001	
Name (line 2) <input type="text"/>		
<b>Receiving Party</b> <input type="checkbox"/> Mark if additional names of receiving parties attached		
Name (line 1) <input type="text"/> Matsushita Electric Industrial Co., Ltd.	<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)	
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Address (line 2) <input type="text"/> Kadoma City		
Address (line 3) <input type="text"/> Osaka	<input type="text"/> Japan	<input type="text"/> 571-8501
City <input type="text"/>	State/Country <input type="text"/>	Zip Code <input type="text"/>
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<b>Correspondent Name and Address</b>		Area Code and Telephone Number	248-641-1600
Name <input type="text" value="Gregory A. Stobbs"/>			
Address (line 1) <input type="text" value="Harness, Dickey &amp; Pierce, P.L.C."/>			
Address (line 2) <input type="text" value="P.O. Box 828"/>			
Address (line 3) <input type="text" value="Bloomfield Hills, MI 48303"/>			
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<b>Application Number(s) or Patent Number(s)</b>		<input type="checkbox"/> Mark if additional numbers attached.	
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).			
Patent Application Number(s)		Patent Number(s)	
<input type="text" value="09/864,020"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. <input type="text"/> Month <input type="text"/> Day <input type="text"/> Year			
<b>Patent Cooperation Treaty (PCT)</b>			
Enter PCT application number <u>only if a U.S. Application</u> Number as not been assigned.	PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>	
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Deposit Account	Enter for payment by deposit account or if additional fees can be charged to the account.)		
Deposit Account Number:	# <input type="text" value="08-0750"/>		
Authorization to charge additional fees: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Statement and Signature</b>			
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.			
Gregory A. Stobbs			08/27/2001
Name of Person Signing	Signature	Date	



AUG 30 2001

FORM PTO-1619A  
Expires 06/30/99  
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Month Day Year  
08 20 2001Name (line 2) Execution Date  
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## Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

## Patent Application Number(s)

## Patent Number(s)

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## ASSIGNMENT

WHEREAS, Yasunao OKAZAKI, Michio OKAJIMA, Akira ENOKIHARA, Toshiaki NAKAMURA, Minoru TACHIBANA, Kunihiko MINAMI

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in DIELECTRIC RESONATOR FILTER

for which the undersigned has (have):

- (a) filed an application for Letters Patent of the United States of America on May 23, 2001 having Serial No. 09/864,020; or
- (b) executed an application for Letters Patent of the United States of America on the date(s) indicated below; and

WHEREAS, Matsushita Electric Industrial Co., Ltd. of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, Japan its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to the application and any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

M01-C-1000

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to the Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

This Assignment has been executed by the undersigned on the date(s) indicated.

Date: August 20, 2001

Yasunao Okazaki  
**Yasunao OKAZAKI**

Date: August 20, 2001

Michio Okajima  
**Michio OKAJIMA**

Date: August 20, 2001

Akira Enokihara  
**Akira ENOKIHARA**

Date: August 20, 2001

Toshiaki Nakamura  
**Toshiaki NAKAMURA**

Date: August 20, 2001

Minoru Tachibana  
**Minoru TACHIBANA**

Date: August 20, 2001

Kunihiro Minami  
**Kunihiro MINAMI**

Date: \_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_